

ZIC2 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10893

Product Information

Application	WB, IHC
Primary Accession	O95409
Other Accession	NM_007129 , NP_009060
Reactivity	Human, Mouse, Rat
Predicted	Human, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55006

Additional Information

Gene ID	7546
Alias Symbol	HPE5
Other Names	Zinc finger protein ZIC 2, Zinc finger protein of the cerebellum 2, ZIC2
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-ZIC2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	ZIC2 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZIC2
Function	Acts as a transcriptional activator or repressor. Plays important roles in the early stage of organogenesis of the CNS. Activates the transcription of the serotonin transporter SERT in uncrossed ipsilateral retinal ganglion cells (iRGCs) to refine eye- specific projections in primary visual targets. Its transcriptional activity is repressed by MDFIC. Involved in the formation of the ipsilateral retinal projection at the optic chiasm midline. Drives the expression of EPHB1 on ipsilaterally projecting growth cones. Binds to the minimal GLI-consensus sequence 5'-TGGGTGGTC-3'. Associates to the basal SERT promoter region from ventrotemporal retinal segments of retinal embryos.

Cellular Location

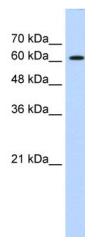
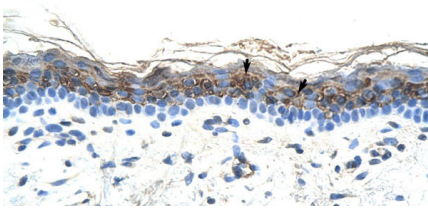
Nucleus. Cytoplasm. Note=Localizes in the cytoplasm in presence of MDFIC overexpression. Both phosphorylated and unphosphorylated forms are localized in the nucleus (By similarity).

References

Brown,L., (2005) Hum. Mol. Genet. 14 (3), 411-420 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images

Human Skin



WB Suggested Anti-ZIC2 Antibody Titration: 0.2-1 µg/ml
Positive Control: HepG2 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.